PROPOSED DO NOT ENTER 8/4/03

PROPOSED CLAIM AMENDMENTS
FOR DISCUSSION PURPOSES ONLY
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Claim 1 (currently amended): A medical device comprising:

a tubular extrudate comprising an interpenetrating polymer network comprising a non-expanded PTFE matrix having no node and fibril structure, said matrix having distributed therein discrete domains of an extractable polymeric material, wherein upon exposure to sufficient dissolving medium or degradation temperature, said extractable polymeric material is extracted from said matrix to create pores in said tubular extrudate.

Claim 2 (original): The medical device of claim 1 further including a radially distensible stent positioned axially about said tubular extrudate.

Claim 3 (currently amended): A vascular graft comprising:

a tubular extrudate comprising an interpenetrating polymer network comprising a non-expanded PTFE matrix having no node and fibril structure, said matrix having distributed therein discrete domains of an extractable polymeric material, wherein upon exposure to sufficient dissolving medium or degradation temperature, said extractable polymeric material is extracted from said matrix to create pores in said tubular extrudate.

Claim 21 (previously presented): The medical device according to Claim 1, wherein said extractable polymeric material comprises silicone.

Claim 22 (currently amended): A medical device comprising:

a tubular extrudate comprising an interpenetrating polymer network comprising a non-expanded PTFE matrix having no node and fibril structure, said matrix having distributed therein discrete domains of an extractable polymeric material, said extractable polymeric material being particulate and having a particle size of about 5 to 100 microns,

wherein upon exposure to sufficient dissolving medium or degradation temperature, said extractable polymeric material is extracted from said matrix to create pores corresponding to said

particle size in said tubular extrudate.

Claim 23 (currently amended): An implantable, non-expanded, porous PTFE extrudate comprising:

a tubular extrudate comprising a non-expanded PTFE matrix having no node and fibril structure; and

a plurality of pores distributed throughout said non-expanded PTFE matrix, said pores having a shape defined by an extracted particulate polymeric material.

Claim 24 (currently amended): An implantable PTFE extrudate comprising:

a non-expanded PTFE resin having no node and fibril structure; and

a particulate polymeric component which is incompatible with said non-expanded PTFE resin,

wherein discrete domains of said polymeric component are distributed throughout said non-expanded PTFE resin and are extractable therefrom.

Claim 25 (new): A medical device formed by the process of:

providing an interpenetrating polymer network of PTFE having no node and fibril structure and an extractable polymer material;

extruding said interpenetrating polymer network to form an extrudate comprising a PTFE matrix having no node and fibril structure with discrete domains of said extractable polymer material; and

imparting porosity to said PTFE by subjecting said extrudate to a solvent for said polymer material, a temperature sufficient to degrade said polymer material or a combination thereof, whereby at least a portion of said polymer material is extracted, thereby forming pores in said extrudate.